

ABSTRACT OF THE DISCLOSURE

Provided is a polymer electrolyte containing a block copolymer comprising one or more blocks having sulfonic acid groups and one or more blocks having substantially no sulfonic acid group, and at least one block among all blocks is a block having aromatic rings in the main chain thereof, and a method for producing the same. The polymer electrolyte is suitable for a proton conductive film of a fuel cell due to excellent water resistance and heat resistance, and high proton conductivity.